

TO:DICKSTEIN SHAPIRO LLP COMPANY:1825 EYE STREET, NW

UNITED STATES PATENT AND  
TRADEMARK OFFICE

## Facsimile Transmission

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## Fax Notes:

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1	Cover Page
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JAN 08 2009  
TJDEP Form M4065.0936/1356

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Date and time of transmission: Thursday, January 08, 2009 1:23:36 PM  
Number of pages including this cover sheet: 05

TO:DICKSTEIN SHAPIRO LLP COMPANY:1825 EYE STREET, NW

**UNITED STATES PATENT AND TRADEMARK OFFICE**UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND  
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

\*500748547A\*

JANUARY 08, 2009

PTAS

DICKSTEIN SHAPIRO LLP  
1825 EYE STREET, NW  
WASHINGTON, DC 20006UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 571-272-3350. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, MAIL STOP: ASSIGNMENT SERVICES BRANCH, P.O. BOX 1450, ALEXANDRIA, VA 22313.

RECORDATION DATE: 01/08/2009

REEL/FRAME: 022071/0779  
NUMBER OF PAGES: 11

BRIEF: CORRECTIVE ASSIGNMENT TO CORRECT THE ATTACHMENT "A" TO THE ASSIGNMENT PREVIOUSLY RECORDED ON REEL 022012 FRAME 0840. ASSIGNOR(S) HEREBY CONFIRMS THE ASSIGNMENT..

DOCKET NUMBER: M4065.0956/P956

ASSIGNOR:  
MICRON TECHNOLOGY, INC.

DOC DATE: 09/26/2008

ASSIGNEE:  
APTINA IMAGING CORPORATION  
C/O CITCO TRUSTEES (CAYMAN)  
LIMITED, REGATTA OFFICE PARK,  
WEST BAY ROAD  
GRAND CAYMAN, CAYMAN ISLANDS  
Y1-  
1205SERIAL NUMBER: 10618627  
PATENT NUMBER: 7078746  
TITLE: IMAGE SENSOR WITH FLOATING DIFFUSION GATE CAPACITORFILING DATE: 07/15/2003  
ISSUE DATE: 07/18/2006

USPTO

1/8/2009 1:23:54 PM PAGE 3/005 Fax Server

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SHARON LATIMER, EXAMINER  
ASSIGNMENT SERVICES BRANCH  
PUBLIC RECORDS DIVISION

## PATENT ASSIGNMENT

Electronic Version v1.1

01/08/2009  
500748547

Stylesheet Version v1.1

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT										
NATURE OF CONVEYANCE:	Corrective Assignment to correct the Attachment "A" to the Assignment previously recorded on Reel 022012 Frame 0840. Assignor(s) hereby confirms the Assignment..										
CONVEYING PARTY DATA											
<table border="1"><tr><td>Name</td><td>Execution Date</td></tr><tr><td>Micron Technology, Inc.</td><td>09/26/2008</td></tr></table>		Name	Execution Date	Micron Technology, Inc.	09/26/2008						
Name	Execution Date										
Micron Technology, Inc.	09/26/2008										
RECEIVING PARTY DATA											
<table border="1"><tr><td>Name:</td><td>Aptina Imaging Corporation</td></tr><tr><td>Street Address:</td><td>c/o Citco Trustees (Cayman) Limited, Regatta Office Park, West Bay Road</td></tr><tr><td>City:</td><td>Grand Cayman</td></tr><tr><td>State/Country:</td><td>CAYMAN ISLANDS</td></tr><tr><td>Postal Code:</td><td>Y1-1205</td></tr></table>		Name:	Aptina Imaging Corporation	Street Address:	c/o Citco Trustees (Cayman) Limited, Regatta Office Park, West Bay Road	City:	Grand Cayman	State/Country:	CAYMAN ISLANDS	Postal Code:	Y1-1205
Name:	Aptina Imaging Corporation										
Street Address:	c/o Citco Trustees (Cayman) Limited, Regatta Office Park, West Bay Road										
City:	Grand Cayman										
State/Country:	CAYMAN ISLANDS										
Postal Code:	Y1-1205										
PROPERTY NUMBERS Total: 1											
<table border="1"><tr><td>Property Type</td><td>Number</td></tr><tr><td>Patent Number:</td><td>7078746</td></tr></table>		Property Type	Number	Patent Number:	7078746						
Property Type	Number										
Patent Number:	7078746										
CORRESPONDENCE DATA											
Fax Number: (202)420-2201 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> Phone: 202-420-2200 Email: personse@dicksteinshapiro.com Correspondent Name: Dickstein Shapiro LLP Address Line 1: 1825 Eye Street, NW Address Line 4: Washington, DISTRICT OF COLUMBIA 20006											
ATTORNEY DOCKET NUMBER:	M4065.0956/P956										
NAME OF SUBMITTER:	Thomas J. D'Amico										
Total Attachments: 9 source=M40650956#page1.tif source=M40650956#page2.tif source=M40650956#page3.tif											

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## PATENT ASSIGNMENT AGREEMENT

### 1. Definitions

(a) "Agreement" shall mean this Patent Assignment Agreement.

(b) "Assignee" shall mean **Aptina Imaging Corporation**, a Cayman Islands corporation with offices at c/o Citco Trustees (Cayman) Limited, Regatta Office Park, West Bay Road, Grand Cayman, Y1-1205, Cayman Islands.

(c) "Assignor" shall mean **Micron Technology, Inc.**, a Delaware corporation with offices at 8000 South Federal Way, Boise, ID 83707.

(d) "Effective Date" shall mean October 3, 2008.

(e)



(f)



(g) "Imaging Patents" shall mean those patents identified in ATTACHMENT "A" hereto, including, without limitation, all divisions, continuations, continuations-in-part, reissues, reexaminations, and all foreign counterparts thereof, and which may issue thereon or in connection therewith after the Effective Date of this Agreement.

(h) "Imaging Patent Applications" shall mean those filed patent applications identified in ATTACHMENT "B" hereto, including, without limitation, all patents, divisions, continuations, continuations-in-part, reissues, reexaminations, and all foreign counterparts which may issue thereon or in connection therewith after the Effective Date of this Agreement.

(i) "Semiconductor Patents" shall mean those patents identified in ATTACHMENT "D" hereto, including, without limitation, all divisions, continuations, continuations-in-part, reissues, reexaminations, and all foreign counterparts thereof, and which may issue thereon or in connection therewith after the Effective Date of this Agreement.

(j) "Semiconductor Patent Applications" shall mean those filed patent applications identified in ATTACHMENT "E" hereto, including, without limitation, all patents, divisions, continuations, continuations-in-part, reissues, reexaminations, and all foreign counterparts which may issue thereon or in connection therewith after the Effective Date of this Agreement.

(k)

2.

(a) Subject to the terms and conditions of this Agreement, and subject to the rights of others existing as of the Effective Date of this Agreement if any, Assignor, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, hereby sells, assigns, and transfers to Assignee its entire right, title and interest in and to the Imaging Patents, including all rights to causes of action and remedies related thereto (including the right to sue for past, present or future infringement of rights related to the foregoing and the right to collect damages therefor). Assignor hereby authorizes and requests the Commissioner of Patents of the United States, and any other official of the United States and any country foreign to the United States whose duty it is to issue or record patents, to issue the Imaging Patents to Assignee and to record assignment of the Imaging Patents to Assignee.

(b) Subject to the terms and conditions of this Agreement, and subject to the rights of others existing as of the Effective Date of this Agreement if any, Assignor, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, hereby sells, assigns, and transfers to Assignee its entire right, title and interest in and to the Intellectual Property rights in the Imaging Patent Applications. Assignor hereby authorizes and requests the Commissioner of Patents of the United States, and any other official of the United States and any country foreign to the United States whose duty it is to issue or record patents, to record assignment of the Imaging Patent Applications to Assignee.

(c)

(d) Subject to the terms and conditions of this Agreement, and subject to the rights of others existing as of the Effective Date of this Agreement if any, and subject further to the restrictions on the Semiconductor Patents set out below, Assignor, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, hereby sells, assigns, and transfers to Assignee its entire right, title and interest in and to the Semiconductor Patents, including all rights to causes of action and remedies related thereto (including the right to sue for past, present or future infringement of rights related to the foregoing and the right to collect damages therefor). Assignor hereby authorizes and requests the Commissioner of Patents of the United States, and any other official of the United States and any country foreign to the United States whose duty it is to issue or record patents, to issue the Semiconductor Patents to Assignee and to record assignment of the Semiconductor Patents to Assignee.

(e) Subject to the terms and conditions of this Agreement, and subject to the rights of others existing as of the Effective Date of this Agreement if any, Assignor, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, hereby sells, assigns, and transfers to Assignee its entire right, title and interest in and to the Intellectual Property rights in the Semiconductor Patent Applications. Assignor hereby authorizes and requests the Commissioner of Patents of the United States, and any other official of the United States and any country foreign to the United States whose duty it is to issue or record patents, to record assignment of the Semiconductor Patent Applications to Assignee.

(f)

[REDACTED]

[REDACTED]

[REDACTED]

3. [REDACTED]

[REDACTED]

4. [REDACTED]

[REDACTED]

5. [REDACTED]

[REDACTED]



[REDACTED]

6. [REDACTED]

[REDACTED]

7. General

This Agreement shall be effective as of the Effective Date hereof and shall be binding on the respective heirs, assigns, representatives, and successors of Assignor and of Assignee.

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Agreed to by:

Micron Technology, Inc.

Signed: [Signature]

Date: 9/26/08, 2008

Notarization

State of Idaho

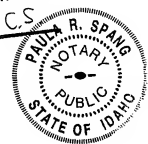
County of Ada

On 9/26/08, before me, Paula R. Spang, personally appeared the above-named Steven R. Appleton  
(date) (notary name)  
who executed this Assignment in my presence and acknowledged to me that he did so of his own free will and in his authorized capacity for the purposes set forth herein.

Signed: [Signature]

My commission expires: 8/12/11

REVIEWED  
MTI LEGAL



Agreed to by:

Aptina Imaging Corporation

Signed: Thomas L. Lowe, Jr.

Date: 9/26/08, 2008

Notarization

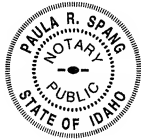
State of Idaho

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who executed this Assignment in my presence and acknowledged to me that he did so of his own free will and in his authorized capacity for the purposes set forth herein.

Signed: [Signature]

My commission expires: 8/12/11



[Signature page to the Patent Assignment Agreement]

ATTACHMENT "A"

IMAGING PATENTS

# Aptina Issued

PATENT NUMBER	FILE NUMBER	TITLE	COUNTRY NAME	ISSUE DATE
7078746	2003-0130.00/US	VOLTAGE OPERATION	United States of America	Jul 18, 2006
7081608	2003-0714.00/US	IMAGE SENSOR WITH FLOATING DEPLETION-LATE CAPACITOR	United States of America	Jul 25, 2006
7081922	AVGO-0032.00/US	Pixel with Differential Readout	United States of America	Jul 25, 2006
7084912	AVGO-0017.00/US	Apparatus and Method for Obtaining Average Scene Intensity Information from a Photo Detector Array	United States of America	Aug 1, 2006
7084914	PBIT-0167.00/US	METHOD FOR REDUCING COHERENT ROW-WISE AND COLUMN-WISE FIXED PATTERN NOISE IN CMOS IMAGE SENSORS	United States of America	Aug 1, 2006
7087844	2002-0057.00/US	VARIABLE PIXEL CLOCK ELECTRONIC SHUTTER CONTROL	United States of America	Aug 8, 2008
7088392	AVGO-0028.00/US	IMAGER SENSOR HAVING A CHARGE STORAGE REGION PROVIDED WITHIN AN IMPLANT REGION	United States of America	Aug 8, 2006
7088394	PBIT-0148.00/US	DIGITAL IMAGE SYSTEM AND METHOD FOR IMPLEMENTING AN ADAPTIVE DEMOSAICING METHOD	United States of America	Aug 8, 2006
7088917	AVGO-0091.00/US	CHARGE MODE ACTIVE PIXEL SENSOR READ-OUT CIRCUIT	United States of America	Aug 8, 2006
7091059	1997-1490.04/US	BUBBLE MAGNITUDE LENS	United States of America	Aug 15, 2006
7091486	2003-0713.00/US	METHOD OF FORMING A PHOTOSENSOR COMPRISING A PLURALITY OF TRENCHES	United States of America	Aug 15, 2006
7091531	2003-0833.00/US	APPARATUS AND METHOD FOR PIXEL BINNING IN AN IMAGE SENSOR	United States of America	Aug 15, 2006
7091536	2002-0058.00/US	HIGH DYNAMIC RANGE PIXEL AMPLIFIER	United States of America	Aug 15, 2006
7092021	PBIT-0112.00/US	ISOLATION PROCESS AND STRUCTURE FOR CMOS IMAGERS	United States of America	Aug 15, 2006
7096122	2004-0405.00/US	FRAME SHUTTERING SCHEME FOR INCREASED FRAME RATE	United States of America	Aug 22, 2006
		REDUCED-DIMENSION MICROELECTRONIC COMPONENT ASSEMBLIES WITH WIRE BONDS AND METHODS OF MAKING SAME	United States of America	